CLASSIFICATION OF THE OLD WORLD MEMBRACIDÆ

By Frederic W. Goding

The characters usually recognized to separate the Membracidæ from the other Homoptera are: Head nearly vertical; ocelli situate between the eyes; antennæ minute, inserted in front of and between the eyes; beak arising from the mentum; pronotum convex, frequently with elevated processes, and usually prolonged posteriorly; tarsi with three articles.

A character called the "episternal hook" has been mentioned which according to McAtee and Malloch was observed in all the membracids examined by them. They claim that it distinguishes the group from all others, and describe it as follows: "Mesopleurum with a process or lobe either at or near antero-lateral angle, or just below middle of anterior margin, or both, processes which overlap the propleurum, in many cases fitting into excavations along posterior margin of that sclerite." Should this character be present in all membracids, and not in other groups, it would definitely limit the species to be included in the family.

No attempt has been made since Stal published his valuable synopses to include the Old World membracidæ in a generic classification; and, as many new genera have been recognized since then, it seems timely to arrange them all in a system whereby students may locate the various species in their correct generic position.

Buckton has well said "Biology ranges over the wide world, but it is obvious that identification of an insect is necessary before its habits and functions can be discussed." To identify these strange forms keys are herein presented which were based upon the species in my own collection, and the works in my library. The corresponding literature to and including the year 1926 is recorded in Funkhouser's Catalog, and since that date in the various scientific publications.

The genera preceded by an * are African; those by a † are Eastern, and those by * † have species in both regions.

KEY TO SUBFAMILIES

- 1(4). Scutellum more or less visible.
- 2(3). Pronotum without a posterior process......ÆTHALIONINÆ
- 3(2). Pronotum with a posterior process; scutellum sometimes aborted. CENTROTINÆ
- 4(1). Scutellum completely covered by sides of pronotum; third apical cell of tegmina truncate at base.
- 6(5). All tibiæ slender; apical margin of head not foliaceous..... DARNINÆ

ÆTHALIONINÆ

KEY TO TRIBES

- 2(1). Pronotum cornute above each humeral; clavus acuminate.....Tolanini

Æthalionini

KEY TO GENERA

- 1(2). Apex of abdomen extended posteriorly in a slender hairy process long as the body; median carina of pronotum lunately elevated; tegmina coriaceous; wings with two apical cells.........†Darthula Kirkaldy, Urophora Gray.
- 2(1). Abdomen normal; median carina of pronotum not elevated; tegmina subhyaline; wings with three apical cells**Coloborrhis Germar, Euryprosopum Stal, Bohemania Stal, Oclasma Melichar.

Tolanini

KEY TO GENERA

- 1(2). Suprahumerals short, auricular; pronotum without a median carina, posterior margin concave; apex scutellum acute; venation of tegmina irregular; wings with four apical cells.......†Porcorhinus Goding

CENTROTINÆ

KEY TO TRIBES

- 1(8). Wings with three apical cells; tegmina with two or three (rarely four discoidal and three or four or five apical cells, exceptionally the apical area multicellular; tibiæ usually simple.
- 2(7). Pronotum convex, unarmed, rarely with a short carina or small tubercle above each humeral.

3(6). Sides of chest destitute of small teeth. 4(5). Scutellum abortive or absent; apical angles of mesonotum more or less produced in spines; pronotum sometimes tuberculate; base of exterior discoidal cell of corium stylate......Coccosterphini 5(4). Scutellum complete; apical angles of mesonotum not produced. 6(3). Sides of chest armed with one or two teeth......Ebhuloidesini 8(1). Wings with four apical cells; tegmina with two or three discoidal and five (rarely four) apical cells, apical area exceptionally multicellular. 9(10). Pronotum more or less gibbous, unarmed, rarely a slight tubercle or short carina above each humeral; apex of scutellum emarginate; 10(9). Pronotum cornute above each humeral or the disk elevated in a high erect process; tibiæ rarely dilated and flattened. 11(14). Sides of chest not armed with teeth. 12(13). Pronotum cornute above each humeral; posterior process more or less distant from or impinging upon the scutellum, broad or slender at base; scutellum variable in length, the apex acute or emarginateLeptocentrini 13(12). Disk of pronotum elevated in a high nearly erect process its summit bilobed, or with a spine each side; posterior process slender, usually distant from the body; scutellum longer than broad, its 14(11). Sides of chest armed with one or two teeth. 15(16). Disk of pronotum elevated in a recurved, erect, forward inclined or porrect process, its summit bilobed, bispined, bituberculate, or compressed; posterior process impinging upon or more or less distant from the scutellum, with or without subapical dorsal node; 16(15). Pronotum cornute above each humeral, surface covered with short spinules, or spinous tubercles, or rugose and nodulate; posterior process impinging upon or slightly separated from the scutellum, usually binodose, sometimes nearly straight; tegmina with two or three discoidal cells; tibiæ and apical margin of head usually Gargarini KEY TO GENERA 1(10). Posterior process impinging upon scutellum. 2(5). Hind trochanters with small teeth on inner surface. 3(4). Humerals strongly produced in cornutiform processes; body about

- 4(3). Humerals not strongly produced; body much longer than broad; posterior process slightly concave......tCentrotoscelus Funkhouser
- 5(2). Hind trochanters not dentate on inner surface.
- 6(7). Posterior process laminately convexly dilated, apex briefly acute.

 †Subrincator Distant
- 7(6). Posterior process not laminately dilated.
- 8(9). Pronotum without short carina above each humeral.

* * † Gargara Amyot and Serville

9(8). Pronotum with a short carina above each humeral.

†Xanthosticta Buckton, Tiberianus Distant

- 10(1). Posterior process more or less distant from the scutellum.
- 12(11). Base of posterior process strongly arched above the scutellum; disk of pronotum gibbous.
- 13(16). Posterior process moderately sinuate, base thick, apical area slender, surface not spinose; tegmina much longer than abdomen.
- 14(15). Posterior process impinging upon margins of tegmina behind scutellum _____*Kombazana Distant
- 15(14). Posterior process robustly recurved to apex of scutellum then slender and linear, upwardly and backwardly recurved; pronotum with two ridged foveate spots near base......*Promitor Distant
- 16(13). Posterior process distant from the scutellum, strongly sinuate or undulate.
- 17(18). Pronotum not spinose, posterior process strongly convexly elevated to behind the scutellum, then impinging upon inner margins of tegmina and straight, acuminate; tegmina long as the abdomen.

*Umfilianus Distant

18(17). Pronotum rugose, covered with spinules; posterior process thick, strongly undulate, not narrowed towards apex which ends in a long spine; tegmina slightly longer than the abdomen.....*Hamma Buckton

Ebhuloidesini

KEY TO GENERA

Centrotini

- 1(12). Base of posterior process impinging upon the scutellum.
- 2(5). Posterior process laminate with or without a dorsal node; apical angle of tegmina acute.

GODING: MEMBRACIDÆ

3(4). Dorsal node of posterior process strongly convexly elevated; tips of suprahumerals more or less angulate. †Antialcides Distant, Pantaleon Distant 4(3). Dorsal node of posterior process obsolete or absent; suprahumerals 5(2). Posterior process not laminate. 6(11). Hind trochanters spinose within; suprahumerals distant between bases. 7(10). Veins to apical cells of tegmina straight; posterior process robust, acuminate, not elevated, base broad, apex not or just passing apex of clavus. 9(8). Tips of suprahumerals acute.......†Tricentrus Stal, Taliopa Buckton 10(7). Veins to apical cells of the vitreous tegmina curved; posterior process rather slender, its apex elevated and far passing apex of clavus _____tTricentroides Distant 11(6). Hind trochanters destitute of spines within; suprahumerals contiguous for a space from bases, then diverging and inclined more or less forward.....*Eumonocentrus Schmidt, Beninia Distant 12(1). Base of posterior process more or less distant from the scutellum. 13(24). Posterior process distinctly angulate near base. 14(17). Suprahumerals contiguous or united for a space from bases or almost touching; posterior process broadly compressed, a short tooth at basal angle. 15(16). Bases of suprahumerals nearly contiguous, very long, subslender, curved outward and backward, tips dilated; posterior process cylindrical on basal third, toothed at basal angle and convexly curved, compressed, long as or longer than tegmina, margins usually spinose; scutellum longer than broad, apex obtuse or notched _____*Paraxiphopœus Goding 16(15). Bases of suprahumerals contiguous or united for a space then diverging, compressed, gradually acuminate; posterior process robust to basal angle then sinuate, compressed, shorter than tegmina, margins not spinose. *Monocentrus Melichar, Basilides Distant 17(14). Suprahumerals distant between bases; posterior process shorter than tegmina. 18(23). Suprahumerals directed obliquely outward and upward. 19(20). Posterior process compressed, nearly straight from basal angle, usually laterally carinate, inferior margin lobed at middle touching

- 22(21). Base of posterior process, including disk of pronotum, robustly and angulately elevated but not distant from scutellum then concavely sinuate, without a basal tooth; suprahumerals weakly oblique, tips acute *Spalirises Distant
- 23(18). Suprahumerals horizontal, flat, rather long, acuminate; disk of pronotum robustly elevated posteriorly, angulate, then nearly straight, slender, acuminate, distant from the body, nearly long as tegmina **Planecornua Goding**
- 24(13). Posterior process more or less curved from base, not angulate.
- 26(25). Inferior margin of posterior process not ampliate or lobed beneath.
- 27(30). Posterior process curved at base, then straight to apex.
- 28(29). Tegmina with two discoidal cells, not longer than abdomen; suprahumerals short, slender, horizontal, acuminate; posterior process slender, convexly elevated high above scutellum, then oblique and straight to apex.
- *Tricoceps Buckton, Tambusa Distant, Tambusana Distant 29(28). Tegmina with four discoidal cells, some longer than abdomen; suprahumerals oblique, tips obtuse or truncate; posterior process
 - broad at base, slightly arched above scutellum, then straight to the apex _____*Centrotusoides Distant
- 30(27). Posterior process distinctly sinuate, not straight.
- 31(34). Posterior process moderately slender, strongly sinuate, acuminate at base.
- 32(33). Suprahumerals usually robust, strongly oblique.....†*Platybelus Stal
- 33(32). Suprahumerals horizontal, slender, acuminate......†*Evanchon Goding
- 34(31). Posterior process heavy, not acuminate from base; suprahumerals very short, long as broad, thick, sides parallel, subhorizontal.
- 35(36). Posterior process with a large node at base, one at middle, and apical node ending in a spine even with but distant from tips of tegmina; suprahumerals serrate anteriorly, tips truncate emitting a spine; basal margin pronotum produced.......*Amitrochates Distant
- 36(35). Posterior process not nodose, adjacent to tegmina behind clavus, apex abruptly attenuate, acute; surface spinose.

*Barsumas Distant

Uroxiphini

- 1(8). Posterior process impinging upon the scutellum and margins of tegmina. (One species in *Pogontypus* it is slightly elevated).
- 2(7). Veins to apical cells of tegmina straight. (Rarely veins to the third and fourth apical cells irregularly slightly curved.)
- 3(6). Posterior process slender, gradually acuminate from base.

4(5).	Base of	f posteri	or pro	cess	much	narro	wer	than	scutelli	um,	apex
	slightly	passing	apex	of c	elavus;	pron	otum	conve	ex, not	gib	bous,
	dorsum	straight	to aper	x; t	egmina	with	two	discoi	dal cell	s.	

*Uroxiphus Amyot and Serville

- 5(4). Base of posterior process a little narrower than scutellum, abruptly depressed and lightly sinuate, apical area strongly decurved almost to tips of tegmina; pronotum gibbous; tegmina usually with three discoidal cells properties to the process of the proc
- 7(2). Veins to apical cells of tegmina strongly curved inwardly; pronotum convex, usually a short carina above each humeral, dorsum straight to apex; posterior process slender from base, much narrower than scutellum, tip just passing apex of clavus.

†Pogontypus Distant

- 8(1). Posterior process more or less distant from scutellum, slender.
- 9(14). Posterior process emitted from hind margin of pronotum, moderately sinuate, not strongly elevated above the scutellum.
- 10(13). Base of head destitute of tubercles; pronotum not gibbous; posterior process sometimes tricarinate.
- 12(11). Apical third of posterior process straight, impinging upon margins of tegmina, tip slightly elevated just passing apex of clavus.

†*Melicharella Goding, Macharotypus Melichar

13(10). Base of head with two prominent tubercles; pronotum convexly gibbous; posterior process moderately slender at base, slightly separated from scutellum, gradually acuminate, dorsum slightly sinuate, apical area straight tip far passing apex of clavus.

*Awania Distant

Leptocentrini

KEY TO GENERA

- 1(22). Base of posterior process distant from, rarely touching apex of scutellum.
 - 2(7). Basal area of posterior process nearly erect, then abruptly angulate and extended posteriorly.
 - 3(4). Posterior process broadly compressed and convexly curved behind basal angle, apex briefly acute; suprahumerals long, broad, oblique, apical area curved outwardly, tips truncate.

*Xiphopœus Stal, Kleidos Buckton

- 4(3). Posterior process straight and gradually acuminate beyond basal angle, tip acute.
- 5(6). Suprahumerals horizontal, triquetrous, medium; posterior process very robust on basal area, slender horizontal and acuminate beyond basal angle, often spinose on inferior margin; scutellum long as broad, apex emarginate.

*Euxiphopœus Goding, Xiphopœus Stal, part

6(5). Suprahumerals strongly oblique, very long, slender, apical area curved, acute; posterior process slender from base, inferior margin not spinose; scutellum much longer than broad, apex acute.

†Maarbarus

- 7(2). Posterior process slender, curved or straight from base, not angulate near base.
- 8(13). Veins to apical cells of tegmina strongly curved inwardly.
- 10(9). Suprahumerals transversely horizontal or oblique, not porrect.
- 12(11). Scutellum much longer than broad, apex acute; posterior process straight from basal curve not touching margina of tegmina; suprahumerals horizontal, medium, slender, acute.........†Parapogon Distant
- 13(8). Veins to apical cells of tegmina straight.
- 14(21). Inferior margin of posterior process not lobed at middle, slender.
- 15(20). Scutellum about as long as broad, apex emarginate.
- 16(19). Disk or pronotum convexly elevated; suprahumerals transversely oblique, tips acute, not directed forwardly.
- 17(18). Posterior process convexly curved (straight in one species), extended far beyond apex of clavus.
 - * Leptocentrus Stal, Rabduchus Buckton, Bocchar Jacobi, part

- 20(15). Scutellum much longer than broad, apex acute; disk of pronotum not or slightly elevated, suprahumerals variable.....Telingana Distant
- 21(14). Inferior margin of robust posterior process bearing a lobe or swelling touching apex of scutellum; suprahumerals nearly horizontal; tegmina with two or three discoidal cells.

†Acanthophyes Stal, Lobocentrus Stal, Dograna Distant

- 22(1). Base of posterior process touching or slightly separated from the scutellum, not distant from it.
- 23(24). Posterior process slightly but distinctly separated from the scutellum, shorter than tegmina.
- 24(29). Suprahumerals horizontal or subhorizontal.

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- 25(28). Veins to apical cells of tegmina nearly straight, sometimes moderately oblique.
- 26(27). Posterior process broadly compressed beyond apex of scutellum, then laterally globose, apical area abruptly narrowed and depressed on margins of tegmina; suprahumerals slender, acute.

†Aspasiana Distant

- 27(26). Posterior process moderately narrow, undulate; sides straight, apical area impinging upon margins of tegmina; suprahumerals medium; tegmina slightly longer than abdomen.......*Tshaka Distant
- 28(25). Veins to apical cells of tegmina curved inwardly; suprahumerals very short, acute, posterior process slender......tPolonius Distant
- 30(33). Posterior process strongly undulate or sinuate, suprahumerals short; pronotum gibbous.
- 31(32). Front of pronotum moderately crescentiform and continuous with acute suprahumerals; posterior process medium, undulate.

*Dacaratha Distant

- 33(30). Posterior process slender, slightly sinuate; pronotum not gibbous, suprahumerals acute, rarely inclined forward.....*†Otinotus Buckton
- 34(23). Posterior process impinging upon and sometimes nearly covering the scutellum.
- 35(44). Suprahumerals inclined forward, with numerous carinæ, or reticulate.
- 36(41). Suprahumerals strongly oblique or suberect, posterior process straight, apical area decurved.
- 37(40). Posterior process at least as long as the tegmina.
- 38(39). Suprahumerals long, robust, compressed, tips truncate or bidentate; apical half of posterior process strongly decurved, tip obtuse; tegmina usually with three discoidal cells.

†Eufrenchia Goding, Ibiceps Buckton

39(38). Suprahumerals medium, triquetrous, gradually narrowed, tips obliquely truncate and subacute; apical area of posterior process lightly decurved, subacute; tegmina with two discoidal cells.

†Cebes Distant

40(37). Posterior process straight, much shorter than tegmina, suprahumerals long, compressed, reticulate, apical area dilated, tips rounded the inner angles contiguous or approaching, the outer angle a short spine; tegmina with two discoidal cells.

†Lubra Goding

- 42(35). Suprahumerals transversely oblique or horizontal, not inclined forward. They are inclined forward in one species each in *Sextius* and *Acanthuchus* and two in *Otinotus*.
- 43(46). Posterior process as long or longer than tegmina, rarely very slightly shorter, moderately sinuate. It is as long as tegmina in two species each in *Sextius* and *Acanthuchus*. Suprahumerals more or less oblique, rarely subhorizontal, tips acute.
- 45(44). Pronotum not rugose or irregularly carinate; posterior process robust at base, gradually acuminate, apical area convexly curved, slender, short carina each side of base sometimes continued posteriorly:
 - a. Corium with five apical cells.......†Otinotoides Distant aa. Corium with three apical cells......†Gondopharnes Distant
- 46(43). Posterior process distinctly shorter than the tegmina.
- 47(50). Suprahumerals long, broad, erect or subcrect.
- 48(49). Suprahumerals erect, laminate, tips broadly rounded hind angle acute, posterior process broad, acuminte, tip subacute.

†Elegius Distant

- 49(48). Suprahumerals suberect, some diverging, triquetrous at base, compressed upwardly antero-posteriorly, twisted, tips distinctly broadened, truncate; posterior process heavy, acuminate tip decurved.
 - †Ceraon Buckton, Daunus Stal, Zanophara Kirkaldy
- 50(47). Suprahumerals horizontal or broadly oblique.
- 51(58). Suprahumerals horizontal or subhorizontal.
- 52(55). Pronotum more or less gibbous before base of posterior process, suprahumerals very short, acute.
- 53(54). Pronotum strongly gibbous before base of posterior process, suprahumerals in a continuous line with the crescentic anterior area, seen from the front convex laterally; suprahumerals robust, recurved, subacute, posterior process, robust, nearly straight, beyond base #Emphusis Buckton
- 55(52). Pronotum not gibbous before base of posterior process, dorsum of posterior process about even with disk or pronotum.
- 56(57). Median carina of pronotum elevated just beyond base of suprahumerals in a spine or angle, or briefly foliaceous, rarely a second

- 57(56). Dorsum of pronotum nearly level from apex of metopidium to apex of posterior process, not dentate or foliaceous, the latter slightly ampliated near base, nearly straight, tip acute.

†Sertorius Stal

- 58(51). Suprahumerals more or less strongly oblique.
- 59(68). Veins to apical cells of corium straight, rarely one or two veins slightly sinuate.
- 60(67). Dorsum nearly straight, not gibbous anteriorly.
- 61(66). Suprahumerals robust, weakly oblique, slightly elevated.
- 62(65). Apical area of corium normal, not reticulate.
- 63(64). Distance between bases of suprahumerals equal to width of head; suprahumerals triquetrous, tips subacute, dorsum of posterior process slightly arcuate; apical cells of corium moderately short and broad _____*†Centruchus Stal, Leucothorax Buckton
- 65(62). Apical area of corium strongly reticulate with numerous venules; tips of suprahumerals subacute.

†Sextius Stal, Pterosticta Buckton

66(62). Suprahumerals slender, distinctly oblique, longer than space between bases, acute; posterior process slender; dorsum level.

†Periaman Distant

67(60). Pronotum more or less gibbous; posterior process robust, shorter than tegmina, suprahumerals broad, curved upwardly, tips acute.

†Centrotypus Stal, Ibiceps Distant, Lestarches Distant

Micreunini

- 1(4). Posterior process emitted from near the hind margin of pronotum but slightly separated from the scutellum; summit of the front process with a slender spine each side; apex of clavus obtuse.
- 2(3). Front process slightly inclined forward, slender, the summit not expanded; lateral spines of summit long, slender, recurved, tricarinate; posterior process slender, lightly arched to middle of abdomen + Micruene Walker

3(2). Front process erect its summit broadly dilated laterally, lateral spines short, bigibbous behind; posterior process sinuate, about as long as but not touching margins of tegmina.

†Eutryonia Goding, Gelastorrhachis Kilkaldy

- 4(1). Posterior process long, linear, straight or slightly convex, emitted from hind margin of front process at or below the summit, distant from the scutellum, apex approaching margins of tegmina; summit of front process emitting a long slender branch each side; apex of clavus obtuse.
- 5(6). Lateral branches at summit of front process moderately long, linear, recurved; posterior process just passing clavus.

†Leptobelus Stal

Hypsauchenini

KEY TO GENERA

- 1(12). Posterior process impinging upon the scutellum and inner margins of tegmina the latter usually with three discoidal and five apical cells, the apex of clavus acute.
 - 2(9). Dorsal margin of posterior process with a subapical node; legs simple.
 - 3(4). Apex of head trilobed; front process strongly and lengthily recurved, anterior lateral carinæ not extended below to base, its summit bilobed not extended beyond apex of posterior process.

†Hypsauchenia Germar

- 4(3). Apex of head spatulate.
- 5(8). Front process strongly lengthily recurved its summit bilobed; venation of tegmina normal or nearly so.
- 6(7). Apical margin of tegmina obliquely truncate, apical angle acute; anterior lateral carinæ of front process extended to base its summit not extended beyond apex of posterior process; head with a central keel; size smaller.

†**Pyrgauchenia** Breddin, *Pyrgophyllium* Breddin, *Pyrgolyrium* Breddin, *Hypsophyllium* Schmidt

- 8(5). Front process straight, nearly erect, lightly inclined forward, broad, compressed, anterior lateral carinæ not extended below its base, summit rounded produced in a hooked spine behind with a nodule just beneath; or briefly bilobed; apical area of tegmina multicel-

- lular, apical margin obliquely truncate, apical angle acute; size medium†Hypsolyrium Schmidt
- 9(2). Dorsum of posterior process nearly straight without a subapical node.
- 10(11). Front process long, recurved, erect or inclined forward, moderately slender, compressed, sometimes nodulate or bulb at middle, the summit nodular, bulbous or bifurcate.

†Pyrgonota Stal, Hybanda Dist. Funkhouserella Schmidt

- 12(1). Posterior process slender, erect for a space then angulate (as in Anchon) and straight, shorter than tegmina; front process nearly erect slightly inclined forward, gradually narrowed to the bilobed summit; tegmina with two discoidal and five apical cells, apical angle subacute, apex of clavus obtuse; clypeus long, narrow, tip obtuse; occlli equidistant......*Congellana Distant

Centrocharesini

KEY TO GENERA

- 1(4). Dorsum of posterior process with a basal and subapical node; suprahumerals erect or lightly recurved; pronotum more or less spinulose or nodulate.
- 2(3). Apex of clavus acute; posterior process slightly elevated at base fully exposing scutellum, then impinging upon and extended to tips of tegmina which have two discoidal cells......tCentrochares Stal
- 3(2). Apex of clavus obtuse; posterior process impinging upon scutellum whose narrow sides are visible, apical area elevated and extended midway between apex of clavus and tips of but no touching tegmina, the latter with three discoidal cells.....*Negus Jacobi

MEMBRACINÆ

KEY TO TRIBES

1(4). Wings with four apical cells; tegmina with at least three discoidal and five apical cells sides of chest with one or two teeth, apex of clavus obtuse.

- each humeral; dorsum of posterior process nearly straight or nodose, apex not compresso-ampliate beneath, usually not elevated.

 Xiphistesini

Bolbauchenini

KEY TO GENERA

One genus is at present known; the characters are as given in the description of the Tribe.

†Bolbauchenia Schumacher, Clonauchenia Funkhouser

Xiphistesini

KEY TO GENERA

- 1(2). Dorsum of posterior process binodose.
 - *Gongroneura Jacobi, Pedalion Buckton
- 2(1). Dorsum of posterior process nearly straight, rarely a small gibba at base.
- 3(4). Apical area of tegmina multicellular; suprahumerals robust, porrect, tips truncate; posterior process about long as tegmina dorsum convex ________tGoddefroyinella Distant
- 4(3). Venation of tegmina normal.
- 5(6). Pronotum unarmed, sometimes with a short carina above each humeral *Xiphidia Goding
- 6(5). Pronotum cornute above each humeral.

* † Xiphistes Stal, Neoxiphistes Distant

Oxyrhachisini

KEY TO GENERA

- 1(2). Pronotum unarmed, a short carina or tubercle above each humeral.

 †Oxyrhachidia Melichar
- 2(1). Pronotum cornute above each humeral.
 - * †Oxyrhachis Germar, Polocentrus Buckton, Ouranorthus Buckton

DARNINÆ

KEY TO TRIBES

Darnini .

KEY TO GENERA

- 1(4). Wings with three apical cells; pronotum gradually passing into posterior process, dorsal line nearly straight.
- 3(2). Clavus acuminate apex acute; apical area of tegmina multicellular.

 †Anzac Distant

Hemikypthini

- 1(2). Suprahumerals long, strongly oblique, broad between bases, margins parallel and carinate, tips squarely truncate; posterior process broad at base, gradually acuminate, long as abdomen.
 - †Megaloschema Buckton